Amateur Radio Newsline(tm) Report 1792 - December 16 2011

Amateur Radio Newsline report number 1792 with a release date of Friday, December 16th, 2011 to follow in 5-4-3-2-1.

The following is a Q-S-T. The National Transportation Safety Board recommends an all out ban on driving while using a cellphone; a ham radio APRS equipped balloon launched in California land in the Mediterranean Ocean; amateur radio celebrates the 50th anniversary of OSCAR One, the Russian military shows up in the 40 meter band and ham radio to become a featured player on a popular sitcom. Find out the details on Amateur Radio Newsline(tm) report number 1792 coming your way right now.

(Billboard Cart Here)

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RADIO LAW: NTSB RECOMMENDS ACROSS THE BOARD BAN ON DRIVING WHILE USING A CELLPHONE OR TEXT MESSAGING

The National Transportation Safety Board, better known as the NTSB has called for a nationwide ban on the use of cell phones and text messaging devices while driving. If passed into law, it could also have negative ramifications on ham radio operators, CB'ers and anyone who uses any form of two-way communications from a moving vehicle. Amateur Radio Newsline's Burt Hicks, is here with the details:

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The recommendation for a total, all-out ban on using a cell phone or texting while driving is by far the most inclusive yet issued by the National Transportation Safety Board. But at the moment, it's just that: a recommendation and nothing more.

Over the past 10 years that government agency has increasingly tried to generate laws to limit the use of all portable electronic devices while vehicles are in motion. The proposal released on Tuesday, December 13th would -- if adopted by all 50 states or at a federal level --effectively outlaw any and all non-emergency phone calls and texting by operators of every vehicle in the United States.

The law would apply to hands-free as well as hand-held units. Only devices installed in the vehicle by the manufacturer such as built-in G-P-S would still be permitted. NTSB members say the action is necessary to combat a growing safety threat posed by distracted drivers.

And the NTSB notes that anti-cell phone laws alone will not solve the problem. Rather, they insist that such a nationwide ban must be accompanied by aggressive educational campaigns and very strict enforcement.

While the NTSB proposal is at this time only aimed at cellular telephone and texting by drivers while a vehicle is in motion, proposed laws such as this can easily grow legs. Politicians trying to ride the

coat-tails of such a law could have it written as an all-encompassing umbrella regulation to cover other devices such as two-way radio gear, portable GPS receivers, or even satellite radio converters. In fact, it could include anything that the regulators feel might now or at a later date be considered a distraction to the driver. So on this one, the nation's ham radio community and its political leaders must remain vigilant.

According to the NTSB some 35 states now ban text messaging while driving; 30 states ban cell phone use by new or underage drivers and 10 ban all use of hand held cell phones by a vehicle's operator.

For the Amateur Radio Newsline, I'm Burt Hicks in Los Angeles.

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The NTSB says that its proposal would not affect passengers' rights to use such devices. It should also be noted that the NTSB does not have the power to make laws on its own. All it can do is advise the government that regulations may be needed to keep the public safe. (Various Sources)

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RADIO BALLOONS: TRANSATLANTIC AMATEUR RADIO BALLOON IN FLIGHT

An amateur radio balloon carrying APRS that left the United States mainland and headed across the Atlantic Ocean toward the European continent made it.

Ron Meadows, K6RPT, of the California Near Space Project launched four high-altitude balloons on at 0000 UTC on Monday, December 12th. The balloons were expected to come down somewhere in the midwest U-S but one identifying on APRS as K6RPT-11 decided to take a cruise on the jet stream.

After departing US soil over New Jersey at an altitude of 110,000 ft it crossed the Atlantic Ocean overnight, Hams in Southern Europe were asked to tune their gear to 144.390 which is the APRS channel used in the United States. They were then requested to assist in tracking K6RPT-11 on its pass over Europe.

The question at the time was where would it land. The answer came early in the morning of December 14th. At the time the balloon was out over the Alboran Sea in the Mediterranean when APRS tracking showed it suddenly descending. The last report via EB6AOK showed it at 14,558 feet and traveling at 35 miles an hour. At that point its assumed to have fallen into the sea but not before traveling over 7,000 statute miles at well over 100,000 feet. Possibly a new record for an APRS equipped ham radio long distance balloon flight. On this point we will have to wait and see. (W6DTW, APRS.FI)

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HAM RADIO IN SPACE: THE WORLD OF AMATEUR RADIO CELEBRATES THE 50TH

ANNIVERSARY OF OSCAR 1

The world of Amateur Radio is celebrating the 50th anniversary of the orbiting of the first ever ham radio satellite known simply as OSCAR, an acronym for the words Orbiting Satellite Carrying Amateur Radio. Bill Pasternak, WA6ITF, is in the newsroom with more:

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For those not around back then, OSCAR, now called by many as Oscar One was carried into space at 2041 GMT, December 12th 1961. It was carried aloft by the Discoverer 36 launching vehicle from Vandenberg Air Force Base in California.

After launch the satellite went into a North-South orbit transmitting Morse on a frequency between 144.990 and 145.008. It's said to have had a tremendous signal strength on any direct, overhead pass.

Among the first to hear OSCAR One were the hams at KC4USB which was the Marie Byrd Base at the South Pole. They picked up the signal loud and clear only a few minutes after launch and this is what they heard:

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OSCAR-1 Audio clip

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Yes, just above the noise a radio amateur or SWL with a fairly decent receiver with a good 2 meter converter could make out the letters H and I that formed the word "hi." And soon the signal was heard by hams in Kodiak, Alaska and by KH6UK in Hawaii. All of these on OSCAR's first pass. The ARRL headquarters' station W1AW heard the first pass on the United States East coast.

Now, in celebration of the 50th anniversary of the orbiting of the OSCAR One ham satellite, AMSAT North America is re-issuing the original Project OSCAR Newsletters. According to AMSAT, the original OSCAR Newsletters were all hand typed back in 1961. Don Ferguson, KD6IRE has scanned these documents announcing OSCAR 1. They are being re-issued via the Amsat News Service bulletins on-line.

For the Amateur Radio Newsline, I'm Bill Pasternak, WA6ITF, in the Newsroom in Los Angeles.

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Thanks to the efforts of AMSAT and especially KD6IRE 21st century hams world wide can read the story of the bird that opened the door to space communications to amateur radio operators around the globe. (Story material and OSCAR 1 audio courtesy of AMSAT)

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INTRUDER WATCH: RUSSIAN MILITARY OFDM OPERATING ON 40 METERS

The IARU Monitoring System newsletter reports that the Russian military have been transmitting on 7000.8 kHz using OFDM 112 coding. The transmitter generating the unwanted noise appears to be located near the city of Severomorsk.

But Russia is not alone on the 40 meter band. The IARU also notes that Chinese Over the Horizon Radar has turned up several times on 7 MHz in the evening hours. It sometimes occupies as much as 280 kHz of spectrum and has been heard up to 7040 kHz using the well known sweep rate of 43.5 sweeps per second.

Needless to say, hams who DX near the low end of 40 meters would like to see these operations gone from the airwaves. (IARUMS)

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RESCUE RADIO: VERIZON SENDS TEST ALERT WITH LABELING IT AS A TEST

A snafu by Verizon Wireless sent a very authentic looking but false emergency alert message to its customers in parts of New Jersey on Monday, December 12th. Amateur Radio Newsline's Cheryl Lasek, K9BIK, has the details:

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The alert to subscribers in Middlesex, Monmouth and Ocean county New Jersey told of a "civil emergency" and advised people to "take shelter now." Only there was no emergency.

According to news reports the message was meant to be a test but it wasn't labeled as such. Verizon later admitted the mistake but not before some of its network users started contacting a variety of local, county and state emergency response agencies. This to express their concerns and ask what the emergency was. At airtime its not known as to how many called in and to what agencies.

It took about an hour and a half for New Jersey State Homeland Security and emergency management offices to respond by posting to Twitter that no emergency existed. Later in an e-mail an unnamed Verizon spokesman said the company apologized for any inconvenience or concern that the erroneous message caused.

For the Amateur Radio Newsline. I'm Cheryl Lasek, K9BIK, in Zion, Illinois.

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Verizon didn't say why the message was sent without being labeled as a test or whether the incident was the first time such a mistake had occurred. (CGC, Published News Reports)

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BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the Reading Amateur Radio Club's W3BN repeater serving the area in and around Reading Pennsylvania

(5 sec pause here)

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PUBLIC RELATIONS: HAM RADIO TO BE FEATURED PLAYER ON LAST MAN STANDING

Ham radio is coming to network television. This as a part of the plot of the ABC situation comedy "Last Man Standing."

On the show, actor and comedian Tim Allen of Home Improvement fame plays the character of Mike Baxter. Baxter is the married father of three and the director of marketing at an outdoor sporting goods store in Colorado.

Amateur radio will come into play on the show in mid-January when its revealed that Mike Baxter is an avid radio amateur with the callsign KA0XTT. But that's not the only ham radio connection to the show.

Last Man Standing is being produced for ABC Television by John Amodeo, NN6JA. And if you pick up the December edition of CQ Magazine and turn to page 30, you will find an article by Amodeo. One that tells the story of how he challenged his staff to become licensed radio amateurs, and out of those who accepted seven have gotten licensed so far. The reward for those who succeeded was a dual band hand-held radio.

As of this report Tim Allen is not among those who have accepted John Amodeo's challenge, but he tells CQ that he is working on him.

In addition to the CQ article the ARRL has a very nice piece about Last Man Standing and how it got involved in helping Amodeo to create the KA0XTT call sign. You can read that on the news pages at www.arrl.org. (CQ, ARRL PR Reflector)

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RADIO TO SPACE: SPACEX APPLIES FOR STA FOR DRAGON MISSION TO THE ISS

Space Exploration Technologies, better known as SpaceX, has submitted an application for Special Temporary Authority to the FCC. This for use of frequencies in the 400 MHz and 2200 MHz bands under the callsign WF9XGI for its upcoming Dragon space transport systems first flight to the International Space Station.

The stated purpose to use these frequencies is that of communicating with and controlling its first unmanned Dragon space transport flight to rendezvous with the International Space Station. SpaceX says that the purpose of this operation is to demonstrate a low-cost, commercial capability to transport cargo to the I-S-S and return it safely to the Earth.

The current mission profile calls for launch of the capsule from Cape Canaveral into Low Earth Orbit, followed by proximity operations near the ISS and then docking with orbital outpost. The second phase of the mission will be undocking, performing de-orbit maneuvers, re-entry, and splash-down in the Pacific Ocean.

The scheduled launch readiness date for this mission is currently December 19th. More about it is on-line at www.spacex.com/updates.php (FCC)

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ENFORCEMENT: LOUISIANA STATION FINED FOR FAILURE TO RENEW ITS LICENSE FOR 8 YEARS

A Louisiana broadcast station whose license expired nearly eight years ago but that stayed on the air has been hit with a $13,000 fine. R&M Broadcasting is being allowed to keep KJCB in the city of Lafayette in operation, but the FCC says it must pay the forfeiture after the regulatory agency found that the station response to the original citation by its sending Salesmen Performance Reports was insufficient to document hardship and inability to pay.

According to the Commission R&M was supposed to submit its license renewal back on February 1, 2004. Six years later in April 2010, the Commission mailed a letter about the expired license. In its reply the station claimed both financial hardship and that it was misinformed by its engineer regarding the renewal process.

In issuing its December 5th decision the FCC gave R&M Broadcasting the customary 30 days to pay or to file an appeal. More on this one is on-line at tinyurl.com/7ozfxa6. (FCC)

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RADIO LAW FOLLOW-UP: LIGHTSQUAED VS CONGRESS COULD HOLD UP APPROVAL OF NEW FCC COMMISSIONERS

The ongoing saga of LightSquared versus the U.S. congress has reached a new level. This with Iowa Senator Charles Grassley pledging to block the nominations of Jessica Rosenworcel and Ajit Pai as FCC Commissioners. Amateur Radio Newsline's Heather Butera-Howell, KB3TZD, has the rest of the story:

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Senator Grassley's says that his decision has nothing to do with the qualifications of the nominees. Rather he is using it as a tool to challenge the FCC's refusal to turn over to him documents related to the waiver the FCC granted to LightSquared to launch a terrestrial wireless broadband network using satellite spectrum.

As previously reported, FCC approval of the LightSquared service is conditional on it not interfering with the Global Positioning System operating in adjacent spectrum. This is an issue that LightSquared is currently trying to resolve so that its wholesale wireless service can

be launched.

Senator Grassley says that he is concerned about the impact to GPS by the proposed LightSquared system. He wants to be certain that broadband deployment does not cause interference issues to the Global Positioning System and he will do all in his power to protect it.

For the Amateur Radio Newsline, I'm Heather Butera-Howell, KB3TZD near Pittsburg, Pennsylvania.

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For those not aware, a single senator can hold up nominations, and does not even have to make that public. However Senator Grassley has made no secret of his intentions to take this road unless the FCC gives in to his demands. (B&C)

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RADIO LAW: DANISH PROSECUTORS ASK COURT TO ORDER ROJ TV OFF THE AIR

Prosecutors in Copenhagen, Denmark overseeing an investigation into Kurdish-language television station Roj TV claim that the broadcast operation is actually the on-air voice of the terrorist Kurdistan Workers' Party or PKK. They have requested a Danish court to ban the channel from broadcasting.

The PKK is considered a terrorist group by Turkey, the US and the European Union. Its members are fighting for autonomy in Turkey's southeast. This is a conflict that has killed tens of thousands of people since 1984.

According to Media Network, Roj TV has a Danish broadcasting license, but has no studios in Denmark. (Media Network)

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HAM RADIO AND SCOUTING: JOTA 2011 A BIG SUCCESS

The Boy Scouts recent 2011 Jamboree on the Air appears to have been a major success. According to JOTA's Jim Wilson by the beginning of December they had received and posted online 67 station reports. The statistics read like this:

The total number of Scouts reported attending JOTA 2011 was 2,935. They were assisted by 273 amateur radio operators. 1,472 contacts were made with 46 countries and the International Space Station.

Wilson says that this compares very favorably to the activity reported in 2010. (ARRL)

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HAM HELP: FREE KIT BUILDING SERVICES TO HAMS WITH PHYSICAL LIMITATIONS

Members of the Four States QRP Group centered in Arkansas, Kansas,

Missouri and Oklahoma are offering kit building services at no charge. This, to hams who need assistance with their construction due to physical limitations.

Hams who wish to have kits built for them need to visit the clubs website and purchase one or more of the six kits offered. Then follow the directions on getting construction assistance.

The club says that this is a truly free service. More information on the kits that are available is on-line at tinyurl.com/kits-built. (Southgate)

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NAMES IN THE NEWS: N7WR RELEASE NEW BOOK ON HIS DAYS AS A SHERIFF IN LA

Some names in the news. Jerry Boyd, N7WR, has just published his seventh book and once again there is a link to amateur radio. "Firestone Park: Policing South Central Los Angeles" is a collection of what Boyd describes as true "war stories" about policing one of the highest crime rate areas of the United States.

The author, a former Los Angeles County Sheriffs Deputy and Sergeant, recounts dozens of incidents from the humorous to the horrendous.

It all begins over 45 years ago because of the author's participation in the Sheriff's Disaster Communications Service, an amateur radio based program. Those who have seen it describe the book like riding in a patrol car with N7WR.

The book may be ordered on line via Amazon.com beginning on December 15th. We are told that a portion of the proceeds will benefit the National Law Enforcement Officers Memorial in Washington DC.. (Southgate)

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NAMES IN THE NEWS: N8MH NAMED AMSAT-NA VP OF EDUCATIONAL RELATIONS

Mark Hammond, N8MH has been named as AMSAT North America Vice President for Educational Relations. According to AMSAT President Barry Baines, WD4ASW, Hammond is aptly suited for this position as he is a professor of biology and the Dean of the College of Arts and Sciences at Campbell University in North Carolina. He is very familiar with the potential for using the amateur radio satellites as a teaching resource and understands the teacher perspective as well.

Baines noted that the subject of educational outreach was discussed at the 2011 AMSAT Symposium, based upon the paper that he himself presented as well as other talks that outlined some of the challenges that AMSAT has experienced in creating a structure for fulfilling our mission component regarding education. In his new position Hammond will help AMSAT establish and coordinate an education initiative program and serve as that organizations senior point of contact with outside organizations regarding educational outreach. (AMSAT)

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NAMES IN THE NEWS: VE3RNH NAMED RAC NEW NARED MANAGER

Last but by no means least word that Pat Barrett, VE3RNH Manager of Radio Amateurs of Canada's National Amateur Radio Emergency Database effective immediately. According to Doug Mercer, VO1DM, who is Radio Amateurs of Canada's Vice President Field Services, VE3RNH has an extensive management background and most recently sat on the Ontario Restructuring Commission chaired by RAC Director Bill Unger VE3XT. Barrett replaces outgoing database manager Merv Halvorsen, VE3TSA. (RAC, VO1DM)

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BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

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THE CHANGING OF THE GUARD DONALD D. ROHN

Donald D. Rohn, an industry leader in communications tower manufacturing, passed away on November 21st at age 72. This while being treated for an injury he suffered from a fall a number of months ago.

In the late1950s Donald Rohn began working at his father Dwight's tower manufacturing plant prior to graduating with a bachelor's degree in business from the University of Illinois. Founded in 1948, Rohn's primary product line was small residential television towers.

Donald Rohn was an early advocate of climber safety and created a company culture that saw Rohn provide safety climb systems before it became an industry requirement. Rohn was also the country's first manufacturer to see the need for galvanizing their towers and built their own galvanizing plant.

Donald Rohn retired from the company presidency in 1997. He is survived by his wife Joyce of Dunlap and three sons, five grandchildren and several nieces and nephews. A memorial service was held for Donald Rohn on Saturday, Nov. 26, 2011 in Peoria, Illinois. (WB5ITT, others)

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ON THE WWW: N0HR HAM RADIO POPULATION MAP

A new on-line map by Patrick Rundall, N0HR, shows the countries of the world resized relative to the number of amateur radio licenses. All

you need do is to go to tinyurl.com/7wrxvpm and hit the circular arrow to see a graphic illustration that, for example, shows Japan as the place that has the world's largest amateur radio population at 1296059. Second place goes to the United States with Thailand at number 3. The smallest ham radio population density shown is the island Nation of Jamaica with only 84 hams at this time. N0HR's ham radio population map is based on statistical data that can be found on-line at iaru.org. (Southgate)

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WORLDBEAT: SOME 40 SARL MEMBERS MISSING FROM THE ICASA RECORDS

Colin de Villiers, ZS6COL, has been working on bringing the South African Radio League and telecommunications regulator and the Independent Communications Authority of South Africa records in line. During the process some 40 members were found to be on the SARL records that are not in the South African Radio League Data base.

Technically speaking these hams are using their call signs illegally. So at a South African Radio League Africa quarterly liaison meeting held with the Independent Communications Authority of South the telecommunications regulator agreed to send e-mails those affected requesting that they complete an application form for an amateur license and to submit the completed form as soon as possible. This will enable ICASA to correct their records. South African hams who receive such an e-mail are requested to respond as quickly as possible. (SARL)

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WORLDBEAT: HCJB GLOBAL TECHNOLOGY CENTER TURNS 25

International religious broadcaster HCJB Global celebrated the 25th anniversary of its Technology Center in Elkhart, Ind., on December 15th. Officially begun in 1986, the center traces its roots to an earlier cooperative 1975 project between Clarence Moore and Crown International to build a 500 kW transmitter using Crown's facilities. That effort provided the initiative for HCJB Global to develop its own technology research and custom manufacturing facilities. When formed, the mission of the center was to build energy-efficient 100 kW transmitters for deployment by HCJB. (Southgate, Media Network)

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HAM RADIO IN SPACE: ESA VEGA ROCKET TO CARRY NEW MICROSATS TO ORBIT IN JANUARY 2012

The inaugural launch of the European Space Agency's new Vega rocket will carry the ALMASat-1 amateur radio micro satellite and at least 6 additional CubeSats. Slated for January of 2012, the launch will take place from ESA spaceport at Kourou, French Guiana. Once lofted into space, all of the satellites will be placed into an elliptical orbit of 1450 by 300 km at an inclination of 69.5 degrees. They are expected to have a lifetime before re-entry of up to 4 years. For details of each of the birds please follow the on-line links found at tinyurl.com/vega-first-launch. (Southgate)

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RADIO IN SPACE: NASA'S NANOSAIL-D CALLED A COMPLETE SUCCESS

After spending more than 240 days sailing around the Earth, NASA's NanoSail-D has successfully completed its planet orbiting mission.

NanoSat-D was a micro satellite that deployed NASA's first-ever solar sail in low-Earth orbit. It was launched to space in November of 2010 and deployed its sail on January 20th of 2011.

A main objective of the NanoSail-D mission was to demonstrate and test the on-orbit and de-orbiting capabilities of a large low mass high surface area sail. In the process it became a popular orbital object for sky watchers and radio amateurs alike. The mission ended on November 29th. (NASA)

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RADIO SPORT: ARRL AUGUST 2011 UHF CONTEST SCORES POSTED

ARRL Contest Branch Manager Sean Kutzko, KX9X, says that the results for the 2011 ARRL August UHF Contest have now bee posted on-line. You can view them at www.arrl.org/contest-results-articles. (KX9X)

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ON THE AIR: JOHNNY CASH SPECIAL EVENT STATION

On the air, word that members of the Northeast Arkansas Radio Club will be conducting their inaugural Johnny Cash Birthday Celebration Special Event Station. The happening takes place on January 26, 2012 which would have been the late Country Music Hall of Fame and Rock and Roll Hall of Fame member's 80th birthday. Operations begin at 12 noon Central U.S. time which is 18:00 UTC. More is on-line at nea-rc.org. (Via e-mail)

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DX

In DX, word that 3D2AG will be on a Christmas holiday with his family and is planning a small stroke P from Rotuma between December 9th and January 9th, 2012. It is reported that this will be a small ecological barefoot activity on all bands from 80 through 6 meters running 100 watts using solar and battery power. QSL via his home callsign, direct only using the address listed on QRZ.com.

JI5RPT will be active as JD1BLY from Chichijima Island between December 24th and January 2nd. His operation will cover 80 through 6 meters plus several satellites. Modes to be used are CW, SSB and the Digital. There will not be any 6 meter E-M-E on this trip. QSL via JI5RPT.

AH0AJ will be active as KG4AJ from Guantanamo Bay for the next two years. QSL only via his home callsign.

DL4RDJ is operating as 5W0OJ on HF from Western Samoa. QSL only via DL4RDJ.

DC0KK will be operational as 4S7KKG from Sri Lanka though March 11th. Activity will be mainly on CW and the Digital modes. QSL via DC0KK direct or via the bureau or direct to his address listed on QRZ.com.

Lastly, N7MSU will once again be active as V31SU from Belize between February 26th and March 15th. Operations will be mainly on 40 and 20 meters using CW, SSB and PSK31. QSL via his home callsign direct or via the bureau.

(Above from various DX news sources)

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THAT FINAL ITEM: UPSTATE NY CLUB ASKS SERVED TOWN TO ASSIST IN REPLACING RADIO TOWER

Ham radio operators in and around Hamburg, New York, have for a long time offered their assistance in emergencies but right now they need some help from the city in order to expand their operations to better serve the community. Jim Davis, W2JKD has more:

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Based at Hamburg's recreation center, the Southtowns Amateur Radio Society has been serving the area for 35 years. It is now replacing its tower, and is hoping the town might be able to help erect the new one. If not, at least provide extra fencing material, if there is any left over from a previous project.

Wayne Carpus, W2ZDP is the president of the Southtowns Amateur Radio Society. He noted that the group is structured in such a way that radio amateurs can quickly move their equipment to a fire hall, town hall or scene of an emergency, and do this working off a car battery for power.

Club treasurer Keith Patterson, KC2DGC, told the Town Board that amateur radio emergency communications takes place on the VHF and UHF bands , with a repeater on the WIVB-TV tower in near-by Colden. But there is a need to expand its services and the club now wants to replace its own tower with a new one that will be 70 feet tall when first erected, and would not be more than 100 feet tall when extended.

In the end, the club got at least partial backing for the project. Supervisor Steven Walters said the town would look to see if it has extra fencing that might be appropriate to place around the new tower. He added that since he has been supervisor, the town has lost its main communications system three times.

Patterson responded that when everything collapses, we hams can provide the needed communications.

I'm Jim Davis, W2JKD.

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Yet another instance of ham radio operators being ready to help the community where they live. (Buffalonews.com)

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NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline (at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editor's desk, I'm Don Wilbanks, AE5DW, wishing you a joyous holiday season, 73 and we thank you for listening.

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